

T&R MANUAL, METOC

APPENDIX A

COURSE TABLES

1. Formal Courses. The following courses are required for completion of the T&R syllabus.

Code	Course Title	Sponsor
F0268B1	Marine Corps Weather Observer Course	NTTU Keesler, AFB
N61RCB1	Aerographers Mate Advanced For USMC METOC Analyst/Forecast Course (MOAF)	NTTU Keesler, AFB
F020321	Tropical Weather Analysis and Forecasting	NTTU Keesler, AFB
F02KBK1	WSR-88D PUP Operator/Manager	NTTU Keesler, AFB
F02L321	GCCS Basic Administrator	Local Command
F02RAA1	GCCS UNIX	Local
N01WBM2	Joint METOC Tactical Applications Course San Diego, CA	PDD San Diego
N02WBM1	Joint METOC Tactical Applications Course Norfolk, VA	PDD Norfolk
	OA divisional trainer	PDDs
	Mobile Tactical Training Course	PDDs
	Reserve Aerographers Mate Course	PDDs
E3AIR3S200	Basic Instructors course.	NTTU Keesler, AFB
	Objectives and Tests	NTTU Keesler, AFB
	Instructional System Development course	NTTU Keesler, AFB
	Navy/Marine Corps security manager's course	See local S2 for information

2. Computer Based Training.

COURSE	T&R ACADEMIC CODE	PCN/SUPPLY NAVY CODE
A Social Science Perspective on Flood Events	CBT 001	
Buoyancy and CAPE	CBT 002	
Coastally Trapped Wind Reversals	CBT 003	
Cold Air Damming	CBT 004	
Community Hurricane Preparedness	CBT 005	
Definition of the Mesoscale	CBT 006	
Diagnosing and Forecasting Extra-tropical Transition: A Case Exercise on Hurricane Michael	CBT 007	
Dispersion Basics	CBT 008	
Experimental Satellite Derived Tropical Rainfall Potential (TRaP)	CBT 009	
Feature Identification from Environmental Satellites	CBT 010	
Flow Interaction with Topography	CBT 011	
Forecasting Aviation Icing: Icing Type and Severity	CBT 012	
How Mesoscale Models Work	CBT 013	
Hurricane Strike!™	CBT 014	

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COURSE	T&R ACADEMIC CODE	PCN/SUPPLY NAVY CODE
Hurricanes Canadian Style: Extra-tropical Transition	CBT 015	
Hydrology for the Meteorologist: The Headwater Forecast Process	CBT 016	
Icing Assessment Using Soundings and Wind Profiles	CBT 017	
Introduction to Fire Behavior: Influences of Topography, Fuels, and Weather on Fire Ignition and Spread	CBT 018	
Mesoscale Convective Systems: Squall Lines and Bow Echoes	CBT 019	
Predicting Supercell Motion Using Hodograph Techniques	CBT 020	
Principles of Convection I: Buoyancy and CAPE	CBT 021	
Quantitative Precipitation Forecasting Overview	CBT 022	
Radiation Fog	CBT 023	
Remote Sensing Using Satellites	CBT 024	
The Balancing Act of Geostrophic Adjustment	CBT 025	
The MJO Life Cycle	CBT 026	
The Role of the MJO on Oceanic and Atmospheric Variability	CBT 027	
The Use and Misuse of Conditional Symmetric Instability	CBT 028	
Thermally-forced Circulation I: Sea Breezes	CBT 029	
Thermally-forced Circulation II: Mountain/Valley Breezes	CBT 030	
Urban Flooding: It Can Happen in a Flash!	CBT 031	
West Coast Fog	CBT 032	

3. Correspondence Course Training. Current correspondence courses required for completion of the syllabus.

COURSE	T&R ACADEMIC CODE	PCN/SUPPLY NAVY CODE
AEROGRAPHER'S MATE 1 AND C		NAVEDTRA 14010
AEROGRAPHER'S MATE MODULE 1 - SURFACE WEATHER OBSERVATIONS	WBA	NAVEDTRA 14269
AEROGRAPHER'S MATE MODULE 2 - MISCELLANEOUS OBSERVATIONS AND CODES	WBB	NAVEDTRA 14270
AEROGRAPHER'S MATE MODULE 3 - ENVIRONMENTAL SATELLITES AND WEATHER RADAR	WBC	NAVEDTRA 14271
AEROGRAPHER'S MATE MODULE 4 - ENVIRONMENTAL COMMUNICATIONS AND ADMINISTRATION	WBD	NAVEDTRA 14272
AEROGRAPHER'S MATE MODULE 5 - BASIC METEOROLOGY	WBE	NAVEDTRA 14312
INTRODUCTION TO METEOROLOGY	WAG	
INTRODUCTION TO FORECASTING	WAH	
PRINCIPLES OF OCEANOGRAPHY	WAJ	

4. Technical training Publications. Current correspondence courses required for completion of the syllabus.

Lecture Title		Sponsor
THE USE OF THE SKEW-T LOG P DIAGRAM IN ANALYSIS AND FORECASTING		AWS/TR-79/006
ATMOSPHERIC REFRACTION		METOC 50-1T-0202
BASIC SURFACE CHART ANALYSIS		METOC 50-1T-0301
ENCODING, DECODING AND PLOTTING THE SYNOPTIC REPORT		METOC 50-1T-0302
INTRODUCTION TO ELECTRO-OPTICS		METOC 50-1T-0303
TROPICAL SYNOPTIC MODELS		METOC 50-1T-0304
TROPICAL STREAMLINE ANALYSIS		METOC 50-1T-9607
A WORKBOOK ON TROPICAL CLOUDS AND CLOUD SYSTEMS OBSERVED IN SATELLITE IMAGERY, VOL 1		METOC 50-1T-9610
A WORKBOOK ON TROPICAL CLOUDS AND CLOUD SYSTEMS OBSERVED IN SATELLITE IMAGERY, VOL 2		METOC 50-1T-9610
EVALUATING AND ENCODING BATHYTHERMOGRAPH (BT) DATA		METOC 60-1T-0203
FLEET OCEANOGRAPHIC AND ACOUSTIC REFERENCE MANUAL		RP33
AEROGRAPHER'S MATE SECOND CLASS - VOL 1		NAVEDTRA 10370
AEROGRAPHER'S MATE SECOND CLASS - VOL 2		NAVEDTRA 10371

5. Squadron Level Training.

Code	Lecture Title	Sponsor
	Cisco Router	Local ISC
	Office 2000 Basics	Local ISC
	Annual Security Refresher training	Security Manager

6. METOC Unit Training.

Code	Lecture Title	Sponsor
	Familiarization with Local Standing Operating Procedures	
	Air Force Qualification Training Package	Air Force